

MENTORED CLINICAL SCIENTIST DEVELOPMENT AWARD (K08)

Release Date: October 8, 1999

PA NUMBER: PA-00-003

National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Cancer Institute
National Institute of Child Health and Human Development
National Institute on Deafness and Other Communication Disorders
National Institute of Dental and Craniofacial Research
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute on Drug Abuse
National Institute of Environmental Health Sciences
National Eye Institute
National Institute of General Medical Sciences
National Heart, Lung, and Blood Institute
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke
National Center for Complementary and Alternative Medicine

Special Note: The participating NIH institutes and centers implement this award in different ways to accommodate the career needs of researchers working in fields related to their specific missions. In the early stages of application preparation, all candidates should contact the prospective NIH awarding component listed at the end of this program announcement to discuss issues of eligibility and the specific provisions of this award.

PURPOSE

The purpose of the Mentored Clinical Scientist Development Award (K08) is to support the development of outstanding clinician research scientists. This mechanism provides specialized study for individuals with a health professional doctoral degree committed to a career in laboratory or field-based research. Candidates must have the potential to develop into independent investigators. The K08 supports a three, four, or five year period of supervised research experience that may integrate didactic studies with laboratory or clinically-based research. The proposed research must have intrinsic research importance as well as serving as a suitable vehicle for learning the methodology, theories, and conceptualizations necessary for a well trained independent researcher.

Clinically trained professionals who are interested in a career in patient-oriented research should apply for the Mentored Patient-Oriented Research Career Development Award (K23). A definition of "patient-oriented" research is provided in the K23 announcement, which is available on the NIH Website at <http://grants.nih.gov/training/careerdevelopmentawards.htm>.

Because of the focus on progression to independence, the prospective candidate should propose a period of study and development consistent with previous training and her/his career development needs. For example, a candidate with limited experience in a given field of research may find a phased developmental program lasting for five years which includes a designated period of didactic training and supervised research experience the most

efficient means of attaining independence. A candidate with substantial previous research experience may require a shorter award period to facilitate the transition to independence.

HEALTHY PEOPLE 2000

The Public Health Service (PHS) is committed to achieving the health promotion and disease prevention objectives of "Healthy People 2000," a PHS led national activity for setting priority areas. This Program Announcement (PA), the Mentored Clinical Scientist Development Award (K08), is related to one or more of the priority areas. Potential applicants may obtain a copy of "Healthy People 2000" at <http://odphp.osophs.dhhs.gov/pubs/hp2000>.

ELIGIBILITY REQUIREMENTS

The candidate must have a clinical doctoral degree or its equivalent. Illustrative examples include, but are not limited to: M.D., D.D.S., D.M.D., D.O., D.C., O.D., N.D. (Doctor of Naturopathy), D.V.M. or Pharm.D. Individuals with the Ph.D. or other doctoral degrees in clinical disciplines such as clinical psychology, nursing, clinical genetics, speech-language pathology, audiology and rehabilitation are also eligible. Individuals holding the Ph.D. in a non-clinical discipline but are certified to perform clinical duties should contact the appropriate Institute concerning their eligibility for a K08 award. The candidate must be able to identify a mentor with extensive research experience. The candidate must be willing to spend a minimum of 75 percent of full-time professional effort conducting research and research career development. Some of the participating NIH institutes and centers require completion of postgraduate clinical training by the time of award. Potential candidates should identify and contact that appropriate NIH awarding component to discuss this issue prior to preparing an application.

Applications may be submitted, on behalf of candidates, by domestic, non-Federal organizations, public or private, such as medical, dental, or nursing schools or other institutions of higher education. Minorities and women are encouraged to apply. Candidates must be U.S. citizens or non-citizen nationals, or must have been lawfully admitted for permanent residence by the time of award. Individuals admitted for permanent residence must be able to produce documentation of their immigration status such as an Alien Registration Receipt Card (I-151 or I-551) or some other verification of legal admission as a permanent resident. Non-citizen nationals, although not U.S. citizens, owe permanent allegiance to the U.S. They are usually born in lands that are not states but are under U.S. sovereignty, jurisdiction, or administration. Individuals on temporary or student visas are not eligible for this award.

Ineligible individuals include current and former principal investigators on NIH research project (R01), FIRST Awards (R29), comparable career development awards (K01, K07, K23), sub-projects of program project (P01) or center grants (P50), and the equivalent. Former principal investigators of NIH Small Grants (R03) or Exploratory/Developmental Grants (R21) remain eligible. Current and former recipients of Clinical Associate Physicians Award (CAP) support may apply for the K08 provided they have had no more than 3 years of CAP support by the time of the K08 award. The combined total of CAP plus K08 support must not exceed 6 years. A candidate for the K08 may not concurrently apply for or have an award pending for a CAP award or any other NIH career development award. K08 recipients are encouraged to apply for independent research grant support during the period of this award.

MECHANISM OF SUPPORT

Awards in response to this program announcement will use the K08 mechanism. Planning, direction, and execution of the program will be the responsibility of the candidate and her/his mentor on behalf of the applicant institution. The project period may be for three, four or five years and will depend upon the number of years of prior research experience, the need for additional experiences to achieve independence, and the policy of each particular institute or center. Awards are not renewable.

RESEARCH OBJECTIVES

A. Environment: The institution must have a well-established research and clinical career development program and qualified faculty in clinical or basic research to serve as mentors. The institution must be able to demonstrate a commitment to the development of the candidate as a productive, independent investigator.

B. Program: The award provides up to five consecutive 12-month awards. At least 75 percent of the recipient's full-time professional effort must be devoted to the goals of this award. The remainder may be devoted to clinical, teaching, or other research pursuits consistent with the objectives of the award. Both the didactic and the research phases of an award period must be designed to develop the necessary knowledge and research skills in scientific areas relevant to the career goals of the candidate.

Because of the focus on progression to independence as a researcher, candidates for the K08 should propose a period of study and career development consistent with her or his previous research and clinical experience. For example, a candidate with limited experience in a given field of research may find a phased developmental program lasting five years that includes a designated period of didactic training followed by a period of closely supervised research experience the most efficient means of attaining independence. A candidate with previous research experience and training may not require extensive additional didactic preparation and a program that focuses on an intensive, supervised patient-oriented research experience may be appropriate. All programs must be tailored to meet the individual needs of the candidate ensuring that he/she will gain the skills and knowledge necessary to carry out high quality patient-oriented research. The candidate and the mentor are jointly responsible for the preparation of the plan for this program. The sponsor may form an advisory committee to assist with the development of a program of study or to monitor the candidate's progress through the career development program. The didactic and research components of both phases must develop new knowledge and research skills in scientific areas relevant to the career goals of the candidate.

C. Mentor(s): Candidates must name a primary sponsor (or mentor), who together with the applicant is responsible for the planning, direction, and execution of the program. The mentor should be recognized as an accomplished investigator in the proposed research area and have a track record of success in training independent investigators. The mentor should have sufficient independent research support to cover the costs of the proposed research project in excess of the allowable costs of this award. Candidates may also nominate co-mentors as appropriate to the goals of the program. Where feasible, women, minority individuals and individuals with disabilities should be involved as mentors to serve as role models.

D. Allowable Costs:

1. Salary: The NIH will provide salary and fringe benefits for the career award recipient. The total salary requested must be based on a full-time, 12-month staff appointment. It must be consistent both with the established salary structure at the institution and with salaries actually provided by the institution from its own funds to other staff members of equivalent qualifications, rank, and responsibilities in the department concerned. If full-time, 12-month salaries are not currently paid to comparable staff members, the salary proposed must be appropriately related to the existing salary structure.

Salary limits on career awards are not uniform throughout the NIH and are determined independently by each component of the NIH. Therefore, prospective candidates should contact the NIH component to which the application is targeted to ascertain the maximum contribution to the candidate's salary. In no case will the salary provided by this award exceed the current legislated maximum salary (in fiscal year 1999 the maximum salary is \$125,900).

The institution may supplement the NIH salary contribution up to a level that is consistent with the institution's salary scale; however, supplementation may not be from Federal funds unless specifically authorized by the Federal program from which such funds are derived. Because the salary amount provided by this award is based on the full-time institutional salary, no other PHS funds may be used for salary supplementation. Institutional supplementation of salary must not require extra duties or responsibilities that would interfere with the purpose of the K08. Under expanded authorities, however, institutions may rebudget funds within the total costs awarded to cover salaries consistent with the institution's salary scale.

2. Research Development Support: The amount of research development support is not uniform across the NIH and is determined independently by each awarding component of the NIH. Therefore, prospective candidates should contact the appropriate NIH component listed at the end of this announcement to ascertain the maximum contribution to the candidate's research and development costs. These funds may be used for the following expenses: (a) tuition, fees, and books related to career development; (b) research expenses, such as supplies, equipment and technical personnel; (c) travel to research meetings or training; (d) statistical and computational services including personnel and computer time. All expenses must be directly related to the proposed research career development program.

3. Ancillary Personnel Support: Salary for mentors, secretaries and administrative assistants is not allowed.

4. Facilities and Administrative Costs: These costs, which were formerly called indirect costs, will be reimbursed at 8 percent of modified total direct costs.

E. Evaluation: In carrying out its stewardship of human resource related programs, the NIH may begin requesting information essential to an assessment of the effectiveness of this program. Accordingly, recipients are hereby notified that they may be contacted after the completion of this award for periodic updates on various aspects of their employment history, publications, support from research grants or contracts, honors and awards, professional activities, and other information helpful in evaluating the impact of the

program.

F. Other Income: Fees resulting from clinical practice, professional consultation, or other comparable activities required by the research and research-related activities of this award may not be retained by the career award recipient. Such fees must be assigned to the grantee institution for disposition by any of the following methods:

- o The funds may be expended by the grantee institution in accordance with the NIH policy on supplementation of career award salaries and to provide fringe benefits in proportion to such supplementation. Such salary supplementation and fringe benefit payments must be within the established policies of the grantee institution.

- o The funds may be used for health-related research purposes.

- o The funds may be paid to miscellaneous receipts of the U.S. Treasury. Checks should be made payable to the Department of Health and Human Services, NIH and forwarded to the Director, Office of Financial Management, NIH, Bethesda, Maryland 20892. Checks must identify the relevant award account and reason for the payment.

- o Awardees may retain royalties and fees for activities such as scholarly writing, service on advisory groups, or honoraria from other institutions for lectures or seminars, provided these activities remain incidental and provided that the retention of such pay is consistent with the policies and practices of the grantee institution.

Usually, funds budgeted in an NIH supported research or research training grant for the salaries or fringe benefits of individuals, but freed as a result of a career award, may not be rebudgeted. The awarding component will give consideration to approval for the use of released funds only under unusual circumstances. Any proposed retention of funds released as a result of a career award must receive prior written approval of the NIH awarding component.

G. Special Leave: Leave to another institution, including a foreign laboratory may be permitted if the proposed experience is directly related to the purpose of the award. Only local, institutional approval is required if such leave does not exceed 3 months. For longer periods, prior written approval of the NIH funding component is required. To obtain prior approval, the award recipient must submit a letter to the NIH funding component describing the plan, countersigned by his or her department head and the appropriate institutional official. A copy of a letter or other evidence from the institution where the leave is to be taken must be submitted to assure that satisfactory arrangements have been made. Support from the career award will continue during such leave.

Leave without award support may not exceed 12 months. Such leave requires the prior written approval of the NIH funding component and will be granted only in unusual situations. Support from other sources is permissible during the period of leave. Such leave does not reduce the total number of months of program support for which an individual is eligible.

Under unusual and pressing circumstances, an awardee may submit a written request to the awarding component, requesting a reduction in professional effort below 75 percent. Such requests will be considered on a case-by-case

basis during the award period. In no case, will it be permissible to work at a rate of less than 50 percent effort. The nature of the circumstances requiring reduced effort might include medical conditions, disability, or pressing personal or family situations such as child or elder care. Permission to reduce the level of effort will not be approved to accommodate other sources of funding, job opportunities, clinical practice, or clinical training. In each situation, the grantee institution must submit documentation supporting the need for reduced effort along with assurance of a continuing commitment to the scientific development of the awardee. Further, the awardee must submit assurance of his or her intention to return to full-time professional effort (at least 75 percent) as soon as possible. During the period of reduced effort, the salary and other costs supported by the award will be reduced accordingly.

H. Termination or Change of Institution: When a grantee institution plans to terminate an award, the NIH funding component must be notified in writing at the earliest possible time so that appropriate instructions can be given for termination. The Director of the NIH may discontinue an award upon determination that the purpose or terms of the award are not being fulfilled. In the event an award is terminated, the Director of the NIH shall notify the grantee institution and career award recipient in writing of this determination, the reasons, the effective date, and the right to appeal the decision.

Awardees planning a change of institution, must submit to the funding NIH component in advance of the change a written request for transfer, countersigned by the appropriate institutional business official, describing the reasons for the change and including the new sponsor's name and biosketch. The awardee must establish in this request that the specific aims of the research program to be conducted at the new institution are within the scope of the original peer reviewed research program. Additionally, the new sponsor must have the appropriate research expertise to supervise the program and sufficient research support to ensure continuation of the research program to the end of the award. Staff within the NIH funding component will review this request and may require a review by an initial review group and/or the appropriate National Advisory Council or Board. Upon approval of this request, a new career award application must be submitted by the new institution far enough in advance of the requested effective date to permit review. The period of support requested in the new application must be no more than the time remaining within the existing award period.

When a mentor at the grantee institution is to be replaced, the institution must submit a letter from the proposed mentor documenting the need for substitution, the new mentor's qualifications for supervising the program, and the level of support for the candidate's career development. The letter must also document that the specific aims of the research program will remain within the scope of the original peer reviewed research program. Staff within the NIH funding component will review the request, and will notify the grantee institution of the results of the evaluation.

A final progress report, invention statement, and Financial Status Report are required upon either termination of an award or relinquishment of an award in a change of institution situation.

INCLUSION OF WOMEN AND MINORITIES IN RESEARCH INVOLVING HUMAN SUBJECTS

It is the policy of the NIH that women and members of minority groups and

their subpopulations must be included in all NIH supported biomedical and behavioral research projects involving human subjects, unless a clear and compelling rationale and justification is provided that inclusion is inappropriate with respect to the health of the subjects or the purpose of the research. This policy results from the NIH Revitalization Act of 1993 (Section 492B of Public Law 103-43).

All investigators proposing research involving human subjects should read the "NIH Guidelines For Inclusion of Women and Minorities as Subjects in Clinical Research," which have been published in the Federal Register of March 28, 1994 (FR 59 14508-14513) and in the NIH Guide for Grants and Contracts, Vol. 23, No. 11, March 18, 1994 available on the web at the following URL address: <http://grants.nih.gov/grants/guide/notice-files/not94-100.html>

INCLUSION OF CHILDREN AS PARTICIPANTS IN RESEARCH INVOLVING HUMAN SUBJECTS

It is the policy of NIH that children (i.e., individuals under the age of 21) must be included in all human subjects research, conducted or supported by the NIH, unless there are scientific and ethical reasons not to include them. This policy applies to all initial (Type 1) applications submitted for receipt dates after October 1, 1998.

All investigators proposing research involving human subjects should read the "NIH Policy and Guidelines on the Inclusion of Children as Participants in Research Involving Human Subjects" that was published in the NIH Guide for Grants and Contracts, March 6, 1998, and is available at the following URL address: <http://grants.nih.gov/grants/guide/notice-files/not98-024.html>

Investigators also may obtain copies of these policies from the program staff listed under INQUIRIES. Program staff may also provide additional relevant information concerning the policy.

APPLICATION PROCEDURES

Potential candidates are strongly encouraged to contact the staff person in the relevant institute or center listed under INQUIRIES. Such contact should occur early in the planning phase of application preparation. Such contact will help ensure that applications are responsive to the goals and policies of the individual institute or center.

Applicants who will be using the resources within a General Clinical Research Center (GCRC) during the course of the award are requested to include a letter of agreement from either the GCRC program director or the principal investigator with the application.

Applications are to be prepared using Section IV of the grant application form PHS 398 (rev. 4/98). Applications will be accepted on or before the receipt dates indicated in the application kit. Forms are available at most institutional offices of sponsored research and from the Division of Extramural Outreach and Information Resources, National Institutes of Health, 6701 Rockledge Drive, MSC 7910, Bethesda, MD 20892-7910, Phone (301) 435-0714, FAX: (301) 480-0525, Email: GrantsInfo@nih.gov

Forms are also available on the NIH Website at <http://grants.nih.gov/grants/funding/phs398/phs398.html>

To identify the application as a response to this program announcement, check

"YES" on item 2 of page 1 of the application and enter "PA-00-003 MENTORED CLINICAL SCIENTIST DEVELOPMENT AWARD."

Submit a signed, typewritten original of the application with Checklist, and five signed photocopies, in one package to:

CENTER FOR SCIENTIFIC REVIEW
NATIONAL INSTITUTES OF HEALTH
6701 ROCKLEDGE DRIVE, ROOM 1040 - MSC 7710
BETHESDA, MD 20892-7710
BETHESDA, MD 20817-7710 (for express/courier service)

The application must address the following issues:

Candidate

- o Describe the candidate's commitment to a career in biomedical or behavioral research (candidates interested in patient-oriented research should consider the Mentored, Patient-Oriented Research Career Development Award (K23)).

- o Establish the candidate's potential to develop into an independent investigator.

- o Describe immediate and long-term career objectives, explaining how the award will contribute to their attainment.

- o A commitment of at least 75 percent effort to research career development activities.

- o Letters of recommendation. Three sealed letters of recommendation addressing the candidate's potential for a research career must be included as part of the application. Letters must be from references other than the designated mentor(s).

Career Development Plan

- o Describe the career development plan incorporating consideration of the candidate's goals and prior experience. A systematic plan should be presented for obtaining the necessary basic biomedical or behavioral science background and research experience to launch an independent research career. The plan must justify the need for a three, four or five year period of mentored research experience. More junior candidates with little previous research experience may require a phased developmental period in which the first year(s) of the award are largely of a didactic nature followed by a period of intense, supervised research experience. Candidates with more experience at the time of application may need a shorter developmental period and may already have an adequate basic science background. In any case, the career development plan must be tailored to the needs of the candidate and the ultimate goal of independence as a researcher.

Training in the Responsible Conduct of Research

- o Candidates must describe plans to receive instruction in the responsible conduct of research. These plans must detail the proposed subject matter, format, frequency, and duration of instruction. No award will be made if an application lacks this component.

Research Plan

o Describe the research plan and the use of a basic or clinical science approach to a biomedical or behavioral problem. The research plan must be described as outlined in form PHS 398 including sections on the Specific Aims, Background and Significance, Progress Report/Preliminary Studies, Research Design and Methods. The candidate should consult with the mentor regarding the development of this section.

Mentor's Statement

o The application must include a statement from the mentor including information on research qualifications and previous experience as a research supervisor. The applications must also include information to describe the mentor's research support related to the candidate's research plan and nature of the supervision that will occur during the proposed award period.

o Similar information must be provided by any co-mentor. If more than one mentor is proposed, the respective areas of expertise and responsibility should be described.

Environment and Institutional Commitment

o The sponsoring institution must document a strong, well-established research program related to the candidate's area of interest including a high-quality research environment with staff capable of productive collaboration with the candidate. The sponsoring institution also must provide a statement to document the level of commitment to the candidate's development into a productive, independent investigator during the period of the award. This must include an indication of support for candidate's proposed level of effort related to this award, commitment to release time, as well as the availability of support and supervision during the award period.

Budget

o The total direct costs requested must be consistent with this K08 program announcement and the award limits of the NIH funding component. Applicants seeking information on award limits should contact the likely funding component listed in the INQUIRIES section at the end of this announcement.

REVIEW CONSIDERATIONS

Applications will be reviewed for completeness by the Center for Scientific Review. Incomplete applications will be returned to the applicant without further consideration. Applications that are complete will be evaluated for scientific and technical merit by a peer review group convened by the sponsoring NIH Institute/Center or by the NIH Center for Scientific Review in accordance with the standard NIH peer review procedures. As part of the initial merit review, all applications will receive a written critique. Applications may undergo a streamlined review process. In this process, only those applications deemed to have the highest scientific merit, generally the top half of applications under review, will be discussed, assigned a priority score, and receive a second level review by the appropriate national advisory council or board.

The following review criteria will be applied:

Candidate

- o Quality of the candidate's academic and clinical record;
- o Potential to develop as an independent researcher; and
- o Commitment to a research career.

Career Development Plan

- o Appropriateness of the content, the phasing, and the proposed duration of the career development plan for achieving scientific independence;
- o Consistency of the career development plan with the candidate's previous training and career goals; and
- o Likelihood that the plan will contribute substantially to the achievement of scientific independence.

Training in the Responsible Conduct of Research

- o Quality of the proposed training in the responsible conduct of research.

Research Plan

Reviewers recognize that applicants will have variable amounts of previous research experience. Those with limited research experience are less likely to be able to prepare a research plan with the breadth and depth of that submitted by a more experienced investigator. All applications must include a fundamentally sound research plan but reviewers will consider the applicant's prior research experience in judging the level of detail provided.

- o Scientific and technical merit of the research question, design and methodology;
- o Relevance of the proposed research to the candidate's career objectives;
- o Appropriateness of the research plan to the stage of research development and as a vehicle for developing the research skills described in the career development plan; and
- o Adequacy of the plan's attention to children, gender and minority issues when human subjects are involved.

Mentor/Co-Mentor

- o Appropriateness of mentor(s) research qualifications in the area of this application;
- o Quality and extent of mentor(s) proposed role in providing guidance and advice to the candidate;
- o Previous experience in fostering the development of researchers;
- o History of research productivity, and
- o Adequacy of support for the proposed research project.

Environment and Institutional Commitment

- o Adequacy of research facilities and training opportunities;
- o Quality and relevance of the environment for scientific and professional development of the candidate;
- o Applicant institution's commitment to the scientific development of the candidate and assurances that the institution intends the candidate to be an integral part of its research program; and
- o Applicant institution's commitment to an appropriate balance of research and clinical responsibilities including the level of 75 percent effort proposed by the candidate.

Budget

- o Justification of the requested budget in relation to career development goals and research aims.

AWARD CRITERIA

Funding decisions will be made based on the recommendations of the initial review group and council/board, the need for research personnel in specific program areas, and the availability of funds.

INQUIRIES

Written and telephone inquiries concerning this program announcement are strongly encouraged especially during the planning phase of the application. Below is a listing of each institute's or center's program or grants management contacts.

NATIONAL INSTITUTE ON AGING

Additional information about the career awards program at NIA is available from: <http://www.nih.gov/nia/>

Dr. Robin A. Barr
Office of Extramural Affairs
7201 Wisconsin Avenue, Room 2C218, MSC 9205
Bethesda, MD 20892-9205
Telephone: (301) 496-9322
FAX: (301) 402-2945
Email: rb42h@nih.gov

NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM

Dr. Ernestine Vanderveen, Ph.D.
Division of Basic Research
6000 Executive Boulevard, Suite 402, MSC 7003
Bethesda, MD 20892-7003
Telephone: 301-443-2531
Fax: 301-594-0673
Email: tvanderv@willco.niaaa.nih.gov

Dr. Harold Perl
Division of Clinical and Prevention Research

6000 Executive Boulevard, Suite 505, MSC 7003
Bethesda, MD 20892-7003
Telephone: 301-443-0788
Fax: 301-443-8774
Email: hperl@willco.niaaa.nih.gov

Darryl Bertolucci
Division of Biometry and Epidemiology
6000 Executive Boulevard, Suite 514, MSC 7003
Bethesda, MD 20892-7003
Telephone: 301-443-4898
Fax: 301-443-8614
Email: dbertolu@willco.niaaa.nih.gov

NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
Dr. Milton Hernandez
Office of Scientific Training and Manpower Development
Solar Building, Room 3C21
Bethesda, MD 20892
Telephone: (301) 496-7291
FAX: (301) 402-0369
Email: mh35c@nih.gov

National Institute on Arthritis and Musculoskeletal and Skin Diseases
Richard W. Lymn, Ph.D.
Research Training Officer
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Building 45, Room 5AS-49E
Bethesda, MD 20892-6500
Telephone: (301) 594-5128
FAX: (301) 480-4543
Email: richard_w_lymn@nih.gov

National Cancer Institute
The National Cancer Institute uses this award mechanism exclusively for individuals with clinical doctoral degrees for career development in the basic sciences. Candidates do not need postgraduate clinical training and do not have to be board eligible to apply for this award.

Dr. Lester S. Gorelic or Dr. Andrew Vargosko
Office of Centers, Training and Resources
National Cancer Institute
6116 Executive Boulevard, Suite 7011, MSC 8346
Bethesda, MD 20892-7390
FAX: (301) 402-4472
Email: lg2h@nih.gov or av8b@nih.gov

National Institute of Child Health and Human Development
Steven L. Klein, Ph.D.
Developmental Biology, Genetics & Teratology Branch
Building 6100, Room 4B01 MSC 7510
Bethesda, MD 20892-7510
Telephone: 301-496-5541
FAX: 301-480-0303
Email: KleinS@Exchange.nih.gov

National Institute on Deafness and Other Communication Disorders The purpose

of the NIDCD K08 Award is to foster the development of clinically trained professionals into independent investigators in biomedical and behavioral research on hearing, balance, smell, taste, voice, speech and language. These awards support three, four or five years of mentored research experience and specialized study, tailored to individual needs. While an individual holding a clinical degree may submit an application during the final stages of his/her clinical training, at least one year of prior postdoctoral-level research training is desirable before applying for a K08 award. Applicants are urged to contact the program official listed below for further information on specific NIDCD guidelines for the K08 Award.

Daniel A. Sklare, Ph.D.
Division of Human Communication
Executive Plaza South, Room 400C-13
6120 Executive Blvd., MSC 7180
Bethesda, MD 20892-7180
Telephone: (301) 496-1804
FAX: (301) 402-6251
Email: Daniel_Sklare@nih.gov

National Institute of Dental and Craniofacial Research
The National Institute of Dental and Craniofacial Research (NIDCR) requires that, in most situations, candidates must pursue a program that includes didactic and supervised basic or behavioral science research experiences that result in the Ph.D. degree. The NIDCR may, under specific circumstances, provide support under this program for the development of advanced clinical knowledge and skills in either a recognized clinical specialty or equivalent dental clinical discipline. Therefore, the prospective candidate must have a D.D.S. or an equivalent degree but need not have started postgraduate training, such as in a clinical specialty or general practice dental residency. However, preference will be given to applicants with advanced training in general or specialty practice. Dentists without advanced clinical knowledge and skills are eligible for the K08 but are encouraged to seek appointments to the Mentored Clinical Scientist Development Program Award (K12). Additional information about NIDCR career development programs can be found at <http://www.nidcr.nih.gov/research/career.htm>.

Dr. James A. Lipton
Assistant Director for Training and Career Development
Natcher Building, Room 4AN.18J
Bethesda, MD 20892-6402
Telephone: (301) 594-2618
FAX: (301) 480-8319
Email: liptonj@de45.nidcr.nih.gov

National Institute of Diabetes and Digestive and Kidney Diseases
Ronald Margolis, Ph.D.
Division of Diabetes, Endocrinology, and Metabolic Diseases
45 Center Drive, Room 5AN-12J, MSC 6600
Bethesda, MD 20892-6600
Telephone: (301) 594-8819
FAX: (301) 480-3503
Email: margolisr@extra.niddk.nih.gov

Charles Rodgers, Ph.D.
Division of Kidney, Urologic, and Hematologic Diseases
45 Center Drive, Room 6AS-19J MSC 6600

Bethesda, MD 20892-6600
Telephone: (301) 594-7717
FAX: (301) 480-3510
Email: rodgersc@ep.niddk.nih.gov

Judith Podskalny, Ph.D.
Division of Digestive Diseases and Nutrition
45 Center Drive, Room 6AN-12E, MSC 6600
Bethesda, MD 20892-6600
Telephone: (301) 594-8876
FAX: (301) 480-8300
Email: podskalnyj@ep.niddk.nih.gov

National Institute on Drug Abuse
Andrea Baruchin, Ph.D.
Office of Science Policy and Communications
6001 Executive Boulevard, Room 5230
Bethesda, Maryland 20892-9591
Telephone: (301) 443-6071
FAX: (301) 443-6277
email: ab47j@nih.gov

Lucinda Miner, Ph.D.
Office of Science Policy and Communications
6001 Executive Boulevard, Room 5230
Bethesda, Maryland 20892-9591
Telephone: (301) 443-6071
FAX: (301) 443-6277
email: cm171w@nih.gov

Charles W. Sharp, Ph.D.
Division of Basic Research
6001 Executive Boulevard, Room 4271
Rockville, MD 20857
Telephone: (301) 443-1887
FAX: (301) 594-6043
Email: cs107m@nih.gov

Arthur Horton, Ed.D.
Division of Clinical Research
6001 Executive Boulevard, Room 4237
Rockville, MD 20857
Telephone: (301) 443-4060
FAX: (301) 443-2317
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National Institute of General Medical Sciences

The National Institute of General Medical Sciences (NIGMS) will accept applications for the Mentored Clinical Scientist Development Award (K08) in the areas of anesthesiology, clinical pharmacology, and trauma and burn injury research. NIGMS will offer the K08 award to support the development of academic physicians (or individuals with comparable clinical training) into scientists capable of outstanding laboratory research, clinical research, or a combination of both. The candidate must be in a tenure track or equivalent position at the time of award. The application should clearly indicate that the candidate has sufficient resources available to perform the research. Such resources may be provided by the mentor, the institution, or both. If significant support is derived from the mentor, then the application should indicate how the candidate will ultimately gain independence. The candidate must provide evidence of having a broad understanding of the theoretical aspects of basic or clinical science, attained prior to or during the course of this award, along with a defined plan for career development. Applicants are strongly encouraged to contact one of the following early in the preparation of an application:

Alison E. Cole, Ph.D.
Anesthesiology Program
Division of Pharmacology, Physiology and Biological Chemistry
45 Center Drive, Room 2AS-49K, MSC 6200
Bethesda, MD 20892-6200
Telephone: (301) 594-1826
FAX: (301) 480-2802
Email: colea@nigms.nih.gov

Rochelle M. Long, Ph.D.
Clinical Pharmacology Program
Division of Pharmacology, Physiology, and Biological Chemistry
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FAX: (301) 480-2802
Email: longr@nigms.nih.gov

Scott D. Somers, Ph.D.
Trauma and Burn Injury Program
Division of Pharmacology, Physiology and Biological Chemistry
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For questions about grants management, contact:
Toni Holland
Grants Management Officer
45 Center Drive, Room 2AN.50B, MSC 6200
Bethesda, MD 20892-6200
Telephone: (301) 594-5132

FAX: (301) 480-3423
Email: hollandt@nigms.nih.gov

National Institute of Environmental Health Sciences
Dr. Carol Shreffler
Division of Extramural Research and Training
P. O. Box 12233 MD EC-23
Research Triangle Park, NC 27709
Telephone: (919) 541-1445
FAX: (919) 541-5064
Email: shreffl1@niehs.nih.gov

National Eye Institute
Additional information about NEI career development programs can be found at
<http://www.nei.nih.gov/funding/funding.htm>.

Maria Y. Giovanni, Ph.D.
National Eye Institute, NIH
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Bethesda, MD 20892-7164
301-496-0484
301-402-0528
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National Heart, Lung, and Blood Institute
The NHLBI requires the candidate to be licensed to practice medicine in this country. The K08 award can be integrated with the requirements for clinical subspecialty training and differing approaches for doing so may be proposed. Please refer to the NHLBI training web site for additional information regarding NHLBI K08 provisions, at:
<http://www.nhlbi.nih.gov/nhlbi/train/train.htm>.

Lorraine Silsbee
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National Institute of Mental Health
NIMH strongly encourages prospective applicants and grantees to visit the NIMH Research Training and Career Development Programs Website
<http://www.nimh.nih.gov/grants/training.cfm> to obtain information about policies, program priorities and program staff contacts. Specific information about NIMH policy for career awards, salary and research support, etc., can be found in the following document: "NIMH Policy Update for Career Awards (K-Series)" which will periodically be updated in the Research Training and Career Development Website.

Henry Khachaturian, Ph.D.
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Enid Light, Ph.D.
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E-mail: elight@mail.nih.gov

National Institute of Neurological Disorders and Stroke
The NINDS K08 Award is primarily targeted to candidates holding an M.D., an M.D./Ph.D., or equivalent degree(s), but the award will support individuals holding other health professional degrees as well (e.g., D.D.S., D.O., D.V.M., and Dr. P.H.). Applicants must apply for the award within a specific period of time following completion of their clinical training, and are urged to contact the training officer as listed below regarding eligibility. Specific NINDS Guidelines for the K08 award can be obtained from the NINDS Training and Career Development Website: http://www.ninds.nih.gov/funding/research_training.htm.

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National Center for Complementary and Alternative Medicine
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AUTHORITY AND REGULATIONS

The Mentored Clinical Scientist Development Awards are made under the authority of Title III, Section 301 of the Public Health Service (PHS) Act as amended (Public Law 78-410, as amended, 42 USC 241). The Code of Federal Regulations, Title 42 Part 52, and Title 45 part 74, are applicable to this program. This program is described in the Catalog of Federal Domestic Assistance No. 93.121. This program is not subject to the intergovernmental review requirements of Executive Order 12372 or Health Systems Agency review.

The PHS strongly encourages all grant and contract recipients to provide a smoke-free workplace and promote the non-use of all tobacco products. In addition, Public Law 103-227, the Pro-Children Act of 1994, prohibits smoking in certain facilities (or in some cases, any portion of a facility) in which regular or routine education, library, day care, health care or early childhood development services are provided to children. This is consistent with the PHS mission to protect and advance the physical and mental health of the American people.